

SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Protect All Genius Spray

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Registration number REACH Product type REACH

: Protect All Genius Spray : Not applicable (mixture) : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses Detergent according to Regulation (EC) No 648/2004

1.2.2 Uses advised against No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com

Manufacturer of the product

SOUDAL N.V. Everdongenlaan 18-20 B-2300 Turnhout **2** +32 14 42 42 31 +32 14 42 65 14 msds@soudal.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):

+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008				
Class	Category	Hazard statements		
Aerosol	categ <mark>ory 1</mark>	H222: Extremely flammable aerosol.		
Aerosol	categ <mark>ory 1</mark>	H229: Pressurised container: May burst if heated.		
STOT SE	categ <mark>ory 3</mark>	H336: May cause drowsiness or dizziness.		
Aquatic Chronic	categ <mark>ory 2</mark>	H411: Toxic to aquatic life with long lasting effects.		

2.2. Label elements

P10 P102

P210

P211



Contains: pentane.	
Signal word	Danger
H-statements	
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
P-statements	
P101	If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

¥

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.

Created by: Brandweerinformatiece	entrum voor gevaarlijke stoffen vzw (BIG)
Technische Schoolstraat 43 A, B-244	40 Geel
http://www.big.be	

Publication date: 2018-03-09

© BIG vzw

134-15960-606-en

P251

P304 + P340

P405 P410 + P412 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Do not pierce or burn, even after use.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F.

Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental information EUH066

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

P501

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No		CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
pentane 01-2119459286-30		109-66-0 203-692-4	C>25 %	Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(2)(10)	Constituent
hydrocarbons, C7, n-alkanes, iso 01-2119475515-33	palkanes, cyclics		1% <c<5%< td=""><td>Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411</td><td>(1)(10)</td><td>Constituent</td></c<5%<>	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	Constituent
carbon dioxide		124-38-9 204-696-9	C>1 %	Press. Gas - Liquefied gas; H280	(1)(2)	Propellant
hydrocarbons, C6, isoalkanes, < 01-2119484651-34	5% n-hexane		1% <c<4%< td=""><td>Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411</td><td>(1)(10)</td><td>Constituent</td></c<4%<>	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(10)	Constituent
n-hexane 01-2119480412-44		110-54-3 203-777-6	0.1% <c<1%< td=""><td>Flam. Liq. 2; H225 Repr. 2; H361f Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411</td><td>(1)(2)(8)(10)</td><td>Constituent</td></c<1%<>	Flam. Liq. 2; H225 Repr. 2; H361f Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	(1)(2)(8)(10)	Constituent

(1) For H-statements in full: see heading 16

(2) Substance with a Community workplace exposure limit

(8) Specific concentration limits, see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, seek medical advice.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wash immediately with lots of water. Take victim to a doctor if irritation persists.

After eye contact:

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms After inhalation:

Headache. Coughing. Dry/sore throat. Respiratory difficulties. Narcosis. Central nervous system depression.

After skin contact:

Red skin. ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

Publication date: 2018-03-09

After eye contact: Redness of the eye tissue.

After ingestion:

Headache. Abdominal pain. Diarrhoea. Vomiting. Disturbances of consciousness.

4.2.2 Delayed symptoms No effects known.

4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher.

5.1.2 Unsuitable extinguishing media:

Small fire: Quick-acting CO2 extinguisher, Water (water can be used to control jet flame), Foam. Major fire: Water (water can be used to control jet flame), Foam.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed. Pressurised container: May burst if heated.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective goggles. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.

- 6.1.1 Protective equipment for non-emergency personnel
- See heading 8.2
- 6.1.2 Protective equipment for emergency responders

Gloves. Protective goggles. Protective clothing. Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Dam up the liquid spill. Use appropriate containment to avoid environmental contamination.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Observe normal hygiene standards. Avoid prolonged and repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Store in a cool area. Keep container in a well-ventilated place. Fireproof storeroom. Protect against frost. Keep out of direct sunlight. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:

- Heat sources, ignition sources.
- 7.2.3 Suitable packaging material: Aerosol.
- 7.2.4 Non suitable packaging material:

No data available

Publication date: 2018-03-09

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pentane, tous isomères

8.1.1 Occupational exposure

a) Occupational exposure limit values H

f limit values are applicab <mark>le and available these will be listed b</mark> elo
--

EU		
Carbon dioxide	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	5000 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	9000 mg/m³
n-Hexane	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	20 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	72 mg/m³
Pentane	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1000 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	3000 mg/m ³
Belgium		
Carbone (dioxyde de)	Time-weighted average exposure limit 8 h	5000 ppm (A)
	Time-weighted average exposure limit 8 h	9131 mg/m³ (A)
	Short time value	30000 ppm (A)
	Short time value	54784 mg/m³ (A)
n-Hexane	Time-weighted average exposure limit 8 h	20 ppm
	Time-weighted average exposure limit 8 h	72 mg/m³

Short time value Short time value 2250 mg/m³ La mention "A" signifie que l'agent libère un gaz ou une vapeur qui n'ont en eux-mêmes aucun effet physiologique mais peuvent diminuer le taux d'oxygène dans l'air. Lorsque le taux d'oxygène descend en dessous de 17-18 % (vol/vol) le manque d'oxygène provoque des suffocations qu'aucun symptôme préalable n'annonce

Time-weighted average exposure limit 8 h

Time-weighted average exposure limit 8 h

The Netherlands		
Kooldioxide	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	4919 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	9000 mg/m³
n-Hexaan	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	20 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	72 mg/m³
	Short time value (Public occupational exposure limit value)	40 ppm
	Short time value (Public occupational exposure limit value)	144 mg/m³
n-Pentaan	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	600 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	1800 mg/m³
France		
Carbone (dioxyde de)	Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	5000 ppm
	Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	9000 mg/m³
n-Hexane	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	20 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	72 mg/m³
n-Pentane	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	1000 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	3000 mg/m³
Germany		
	Publication date: 2018-03-09	

600 ppm 1800 mg/m³

750 ppm

Kohlenstoffdioxid		Time-weighted average	e exposure limit 8 h (TRG	is 900)	5000 ppm
		Time-weighted average	e exposure limit 8 h (TRC	is 900)	9100 mg/m ³
n-Hexan		Time-weighted average	e exposure limit 8 h (TRG	is 900)	50 ppm
		Time-weighted average	e exposure limit 8 h (TRG	is 900)	180 mg/m ³
Pentan		Time-weighted average	e exposure limit 8 h (TRG	is 900)	1000 ppm
		Time-weighted average	e exposure limit 8 h (TRG	is 900)	3000 mg/m ³
			• •		
UK					
Carbon dioxide		Time-weighted average (EH40/2005))	e exposure limit 8 h (Wo	rkplace exposure limit	5000 ppm
		Time-weighted average (EH40/2005))	e exposure limit 8 h (Wo	rkplace exposure limit	9150 mg/m ³
		Short time value (Work	place exposure limit (EH	140/2005))	15000 ppm
		Short time value (Work	place exposure limit (EH	140/2005))	27400 mg/m
n-Hexane		Time-weighted average (EH40/2005))	e exposure limit 8 h (Wo	rkplace exposure limit	20 ppm
		Time-weighted average (EH40/2005))	e exposure limit 8 h (Wo	rkplace exposure limit	72 mg/m³
Pentane		Time-weighted average (EH40/2005))	e exposure limit 8 h (Wo	rkplace exposure limit	600 ppm
		Time-weighted average	e exposure limit 8 h (Wo	rkplace exposure limit	1800 mg/m ³
USA (TLV-ACGIH)		"			1
Carbon dioxide		Time-weighted average	e exposure limit 8 h (TLV	- Adopted Value)	5000 ppm
		Short time value (TLV -	Adopted Value)		30000 ppm
n-Hexane		Time-weighted average	e exposure limit 8 h (TLV	- Adopted Value)	50 ppm
Pentane, all isomers		Time-weighted average	e exposure limit 8 h (TLV	- Adopted Value)	1000 ppm
b) National biological limit value	s				
Hexan (n-Hexan) (2,5-Hexandion 4,5-Dihydroxy-2-Hexanon (nach	plus Urin: expositionsend	de, bzw. schichtende	5 mg/l	5/2013 Ständige Ser Prüfung gesundheits	atskommissio sschädlicher
Hydrolyse))				Arbeitsstoffe der DF	G
USA (BEI-ACGIH)					
n-Hexane (2,5-Hexanedion)	Urine: end of shift a	t end of workweek	0,4 mg/L		
1.2 Sampling methods					
Product name		Test	Number		
n-Hexane (Hydrocarbons <mark>, BP36 t</mark>	o 126C)	NIOSH	1500		
n-Hexane (organic and inorganic	gases by Extractive FTIR)	NIOSH	3800		
n-Hexane (Volatile Organic comp	ounds)	NIOSH	2549		
n-Hexane		NIOSH	95-117		
n-Hexane		OSHA	7		
N-PENTANE (HYDROCAR <mark>BONS, B</mark>	P 36 TO 126 °C)	NIOSH	1500		
n-Pentane (Volatile Organic com	pounds)	NIOSH	2549		
n-Pentane		NIOSH	95-117		
Pentane		OSHA	7	·	
1.3 Applicable limit Values when u If limit values are applicable and a 1.4 DNEL/PNEC values <u>DNEL/DMEL - Workers</u> <u>pentage</u>	sing the substance or mixtu available these will be listed	below.	hates	Demod	
ETTECT IEVEI (DINEL/DIVIEL)	Туре	a tabatat		Remark	
	Long-term systemic effe	ects initialiation	3000 mg/m ²	214	
hudrocarbons CZ n ellipses inte	Long-term systemic effe		432 mg/kg bW/d	ay	
Effort Joyal (DNEL (DMEL)	Typo		Valua	Demorie	
	long torm preteries (f)	ots inhalation	2005 m-/3	Kemark	
	Long-term systemic effe		2085 mg/m ²	21/	
hydrocarbons CE issalliones - E	% n boxano		poor mg/kg bW/d	ay	
Effect lovel (DNEL/DMEL)			Value	Domark	
	long-torm systemic off	acts inhalation	5206 mg/m ³	Rellidik	
	Long-term systemic effe	octs dormal	13064 mg/lig	(day	
n hoyano	Long-term systemic effe		13964 mg/kg bw	//udy	
	Тура		Valuo	Domark	
	long torm systemic effe	octs inhalation		Remark	
DNEL	Long-term systemic effe	ects innalation	11 mg/lim		
	Long-term systemic effe	ects dermal	ji1 mg/kg bw/da	У	
DINEL/DIVIEL - General populatio	<u>n</u>				
			Publication date	: 2018-03-09	
1umber: 0000			Product number	: 59073	ŗ

pentane			
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	643 mg/m ³	
	Long-term systemic effects dermal	214 mg/kg bw/day	
	Long-term systemic effects oral	214 mg/kg bw/day	
hydrocarbons, C7, n-alkanes, isoa	alkanes, cyclics		
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	447 mg/m³	
	Long-term systemic effects dermal	149 mg/kg bw/day	
	Long-term systemic effects oral	149 mg/kg bw/day	
hydrocarbons, C6, isoalkanes, < 5	5% n-hexane		
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	1131 mg/m ³	
	Long-term systemic effects dermal	1377 mg/kg bw/day	
	Long-term systemic effects oral	1301 mg/kg bw/day	
n-hexane			
Effect level (DNEL/DMEL)	Туре	Value	Remark
DNEL	Long-term systemic effects inhalation	16 mg/m ³	
	Long-term systemic effects dermal	5.3 mg/kg bw/day	
	Long-term systemic effects oral	4 mg/kg bw/day	

PNEC

<u>pentane</u>			
Compartments	Value	Remark	
Fresh water	230 μg/l		
Marine water	<mark>230 µg/l</mark>		
Aqua (intermittent rele <mark>ases)</mark>	<mark>880 µg/l</mark>		
STP	<mark>3600 μg</mark> /l		
Fresh water sediment	1.2 mg/kg sediment dw		
Marine water sediment	1.2 mg/kg sediment dw		
Soil	0.55 mg/kg soil dw		

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Avoid prolonged and repeated contact with skin. Do not eat, drink or smoke during work.

a) Respiratory protection:

Full face mask with filter type AX at conc. in air > exposure limit.

b) Hand protection:

	Gloves.					
	Materials		Breakthrough time		Thickness	
	nitrile rubber	>	480 minutes	C	0.35 mm	
- ma	aterials (excellent resistar	nce)				
	Nitrile rubber.					
<u>c) E</u>	ye protection:					
	Protective goggles.					
<u>d) S</u>	kin protection:					
	Protective clothing. Head	/neck protection.				
8.2.	3 Environmental exposu	re controls:				
	See headings 6.2, 6.3 and	13				

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Aerosol
Odour	Characteristic odour
Odour threshold	No data available
Colour	No data available on colour
Particle size	No data available
Explosion limits	1.1 - 7.8 vol %
Flammability	Extremely flammable aerosol.
Log Kow	Not applicable (mixture)
Dynamic viscosity	1 mPa.s ; 20 °C
	Publication date: 2018-03-09

Revision number: 0000

	r							
Kinematic viscosity		1 mm²/s ; 20 °C	2					
Melting point		No data availat	ole					
Boiling point		-57 °C - 95 °C						
Evaporation rate		12 ; Butyl aceta	ite					
Relative vapour density		No data availat	ole					
Vapour pressure		190 hPa ; 20 °C						
Solubility		Water ; insolub	le					
Relative density		0.8 ; 20 °C						
Decomposition tempera	ture	No data availab	ole					
Auto-ignition temperatu	re	413 °C						
Flash point		-20 °C						
Explosive properties		No chemical gr	oup assoc	ciated with e	xplosive prop	perties		
Oxidising properties		No chemical gr	oup assoc	ciated with c	xidising prop	erties		
рН		No data availat	ole					
Other information								

9.2. Other informatio

SECTION 10: Stability and reactivity

10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

800 kg/m³ ; 20 °C

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions No data available.

10.4. Conditions to avoid

Precautionary measures

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

Protect All Genius Spray

No (test)data on the mixture available

Inhalation (vapours)

Judgement is based on the relevant ingredients

LC50

Equivalent to OECD

403

<u>pentane</u>

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 401	> 2000 mg/kg		Rat (male/female)	Experimental value	
Dermal						Data waiving	
Inhalation (vapours)	LC50		> 20 mg/l air	4 h	Rat (male/female)	Experimental value	

4 h

hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Route of exposure Parameter Method Value Exposure time Species Value Remark determination Oral LD50 <mark>> 5840 m</mark>g/kg bw Rat (male/female) Read-across Dermal LD50 Other <mark>> 2800 m</mark>g/kg bw 24 h Rat (male/female) Read-across

> 23.3 mg/l air

Publication date: 2018-03-09

Rat (male/female)

Read-across

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
	, arameter		- alao		0,0000	determination	
Oral	LD50	Equivalent to OECD 401	> 16750 mg/kg	bw	Rat (male)	Read-across	
Dermal	LD50	Equivalent to OECD 402	> 3350 mg/kg	w 4h	Rabbit (male)	Read-across	
Inhalation (vapours	5) LC50	Equivalent to OECD	259.354 mg/l	4 h	Rat (male)	Read-across	
exane		403			-	-	
Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	16000 mg/kg k	N	Rat (male/female)	Experimental value	
Dermal	LD50	Equivalent to OECD	> 3350 mg/kg	w 4h	Rabbit (male)	Read-across	
Inhalation (vapours	s) LC50	Equivalent to OECD	> 5000 ppm	24 h	Rat (male)	Experimental	
lusion	_	403				value	
classified for acute	toxicity						
n/irritation							
n/imation							
t All Genius Spray							
(test)data on the m	ixture availab	le					
gement is based on	the relevant	ingredients					
itane							
Route of exposure	Result	Method	Exposure ti	e Time point	Species	Value	Remark
						determination	
Еуе	Not irrit <mark>ating</mark>	OECD 405		1; 24; 48; 72 hc	ours Rabbit	Experimental valu	e Single exp
ŝkin	Not irritating	Equivalent to	4 h	24; 48; 72 hour	rs Rabbit	Experimental valu	e
Skin	Not irritating	OECD 404	24 h		Human	Exporimontal valu	0
	Not initiating	observation	2411		Tuman		c
rocarbons, C7, n-all	kanes, i <mark>soalka</mark>	nes, cyclics					b .
Route of exposure	Result	Method	Exposure ti	ne Time point	Species	Value	Remark
						determination	
_уе	Not irritating			/ days	Rabbit	Read-across	Single trea
skin	Irritating	Equivalent to	4 h	24; 48; 72 hour	rs Rabbit	Read-across	
		UECD 404				_	
Pouto of ovnosuro		<u>Notbod</u>	Exposuro ti	Timo point	Spacios	Value	Domark
coule of exposure	Result	wethou	Exposure th		species	determination	Remark
Eve	Not irritating	Equivalent to	72 h	72 hours	Rabbit	Read-across	
-ye	Not initating	OECD 405	/211	72 110013	Rabbit	Neau-aci 033	
Skin	Moderately	OECD 404	4 h	24: 48: 72 hour	rs Rabbit	Experimental valu	e
	irritating						
exane		•				•	
Route of exposure	Result	Method	Exposure ti	e Time point	Species	Value	Remark
		E. Salaria	_	72 1 2 2	Dalakit	determination	
<u>-ye</u>	Not irritating	Equivalent to OECD 405		72 nours	Rabbit	Read-across	
Skin	Slightly irritat	ing Equivalent to	24 h	24; 72 hours	Rabbit	Read-across	
		OECD 404					
Skin	Irritatin <mark>g;</mark>					Annex VI	
	category 2						
Classification of this	s substa <mark>nce a</mark>	ccording to Annex VI is	<mark>s debatabl</mark> e as it	loes not correspond to	o the conclusion from	the test	
classification of this							
lusion	ng to the skin						
lusion classified as irritati		^					
lusion t classified as irritati classified as irritati	ng to th <mark>e eye</mark>	s 					
lusion t classified as irritati classified as irritati classified as irritati	ng to th <mark>e eye</mark> ng to th <mark>e res</mark>	biratory system					
ilusion t classified as irritati t classified as irritati classified as irritati	ng to the eye ng to the resp ng to the resp	s biratory system					
iusion t classified as irritati t classified as irritati : classified as irritati ory or skin sensitisa	ng to the eye ng to the resp ng to the resp ntion	s piratory system					
Lassified as irritati t classified as irritati t classified as irritati t classified as irritati ory or skin sensitisa t All Genius Spray	ng to the eye ng to the resp ation	s piratory system					
t classified as irritati t classified as irritati t classified as irritati t classified as irritati ory or skin sensitisa <u>t All Genius Spray</u> (test)data on the m	ng to the eye ng to the resp ation	s biratory system le					
Lassified as irritati t classified as irritati t classified as irritati t classified as irritati ory or skin sensitisa <u>t All Genius Spray</u> (test)data on the m gement is based on	ng to the eye ng to the resp ation ixture availab the relevant	s piratory system le ingredients					
Lassified as irritati t classified as irritati t classified as irritati t classified as irritati ory or skin sensitisa <u>t All Genius Spray</u> (test)data on the m gement is based on	ng to the eye ng to the resp ation ixture availab the relevant	s piratory system le ingredients					
Iusion t classified as irritati t classified as irritati c classified as irritati c classified as irritati ory or skin sensitisa t All Genius Spray (test)data on the m gement is based on	ng to the eye ng to the resp ation ixture availab the relevant	s piratory system le ingredients					

intune								
Route of exposure	lesult	Method	Exposi	ıre time O p	bservation time	Species V	alue determination	Remark
Skin N	lot sens <mark>itizin</mark>	g Equivalent t	O OECD	2,	4 hours	Guinea pig E	xperimental value	
drocarbons C7 n-al	kanes isoalke	anes, cyclics				(.emaic)		L
Route of exposure	lesult	Method	Exposi	ure time O	bservation time	Species V	alue determination	Remark
Skin N	lot sensitizing	g Equivalent t 406	O OECD	24	4; 48 hours	Guinea pig R (male/female)	ead-across	
drocarbons, C6, isoa	lkanes. < 5%	n-hexane				(· · · / · · · /		
Route of exposure	lesult	Method	Ехрозі	ure time O	bservation time	Species V	alue determination	Remark
Skin N	lot sensitizing	g Equivalent t 429	OECD			Mouse R (male/female)	ead-across	
hexane				-				
Route of exposure	lesult	Method	Exposi	ıre time O p	bservation time	Species V	alue determination	Remark
Skin N	lot sensitizing	g Equivalent t 429	O OECD			Mouse R	ead-across	
ot classified as sensiti ot classified as sensiti target organ toxicit ct All Genius Spray (test)data on the mix assification is based o	izing for skin izing for inhal y ture available on the releva	lation e nt ingredients						
ntane Route of exposure	Doromotor	Mathad	Value	Orgon	Effort	Exposure time	Spacios	Value
Route of exposure	Parameter	wethod	value	Organ	Effect	Exposure time	species	value
Oral	+				_	_		Data waiving
Orai								Data waiving
Dermai		0505.440	20000 / 3	+				
Inhalation (gases)	NOAEC	OECD 413	20000 mg/m ³		No effect	13 weeks (6h/day days/week)	, 5 Rat (male/female)	Experimenta
drocarbons, C7, n-al	kanes, isoalka	anes, cyclics	L					
Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determinatio
Inhalation (vapours)	NOAEL	Equivalent to OECD 413	12350 mg/m ³ air		No adverse systemic effec	26 weeks (6h/day ts days/week)	[,] 5 Rat (male/female)	Read-across
Inhalation (vapours)	LOAEL	Equivalent to OECD 413	1650 mg/m³ ai	r Central nervo system	bus CNS depressio	n 26 weeks (6h/day days/week)	, 5 Rat (male/female)	Read-across
				<u> </u>				
drocarbons, C6, Isoa	<u>Ikanes, < 5%</u>	<u>n-nexane</u>	Valuo	b	F (C,)	-	-	Value
Route of exposure	Parameter	Method	value	Organ	Effect	Exposure time	Species	determinatio
Route of exposure	Parameter		Value	Organ	Епест	Exposure time	Species	determination
Route of exposure Dermal Inhalation (vapours)	Parameter NOAEC	Equivalent to OECD 413	10504 mg/m ³ air	Organ	No effect	13 weeks (6h/day days/week)	r, 5 Rat (male)	determination Data waiving Read-across
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours)	Parameter NOAEC	Equivalent to OECD 413 Equivalent to OECD 413	10504 mg/m ³ air 31652 mg/m ³ air	Liver; kidney	No effect Organ damage	Lxposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week)	species , 5 Rat (male) , 5 Rat (male)	determination Data waiving Read-across Read-across
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane	Parameter NOAEC	Equivalent to OECD 413 Equivalent to OECD 413	10504 mg/m ³ air 31652 mg/m ³ air	Liver; kidney	No effect	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week)	Species , 5 Rat (male) , 5 Rat (male)	determination Data waiving Read-across Read-across
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure	Parameter NOAEC LOAEC Parameter	Equivalent to OECD 413 Equivalent to OECD 413 Method	10504 mg/m ³ air 31652 mg/m ³ air Value	Liver; kidney	Effect	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time	Species , 5 Rat (male) , 5 Rat (male) Species	determination Data waiving Read-across Read-across Value determination
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) Andreade Route of exposure Oral (stomach tube)	Parameter NOAEC LOAEC Parameter NOAEL	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day	Urgan Liver; kidney Organ	Effect No effect Organ damage Effect No effect	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week)	Species 7, 5 Rat (male) 7, 5 Rat (male) Species Rat (male)	determination Data waiving Read-across Read-across Value determination Experimenta value
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure Oral (stomach tube) Oral (stomach tube)	Parameter NOAEC LOAEC Parameter NOAEL LOAEL	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day 3956 mg/kg bw/day	Organ Liver; kidney Organ Central nervo system	Effect No effect Organ damage Effect No effect Jus neurotoxic effects	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week) 17 weeks (5 days/week)	Species , 5 Rat (male) , 5 Rat (male) Species Rat (male) Rat (male)	Value determinatic Data waiving Read-across Read-across Value determinatic Experimenta value Experimenta value
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure Oral (stomach tube) Oral (stomach tube) Dorme	Parameter NOAEC LOAEC Parameter NOAEL LOAEL	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day 3956 mg/kg bw/day	Organ Liver; kidney Organ Central nervo system	Effect No effect Organ damage Effect No effect Dus neurotoxic effects	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week) 17 weeks (5 days/week)	Species , 5 Rat (male) , 5 Rat (male) Species Rat (male) Rat (male)	Value determinatic Data waiving Read-across Read-across Read-across Value determinatic Experimental value Experimental value
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure Oral (stomach tube) Oral (stomach tube) Dermal Inhalation (vapours)	Parameter NOAEC LOAEC Parameter NOAEL LOAEL LOAEL	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day 3956 mg/kg bw/day 3000 ppm	Organ Liver; kidney Organ Central nervo system	Effect No effect Effect No effect Effect No effect Us neurotoxic effects Us Impairment of the nervous system	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week) 17 weeks (5 days/week) 16 weeks (daily)	Species , 5 Rat (male) , 5 Rat (male) Species Rat (male) Rat (male) Rat (male) Rat (male)	Value determinatic Data waiving Read-across Read-across Value determinatic Experimenta value Data waiving Experimenta value
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure Oral (stomach tube) Oral (stomach tube) Dermal Inhalation (vapours) Inhalation (vapours)	Parameter NOAEC LOAEC Parameter NOAEL LOAEL LOAEL	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day 3956 mg/kg bw/day 3000 ppm STOT SE cat.3	Organ Liver; kidney Organ Organ Central nervo system Central nervo system	Effect No effect Organ damage Effect No effect Us neurotoxic effects Us Impairment of the nervous system Drowsiness, dizziness	Exposure time 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week) 17 weeks (5 days/week) 16 weeks (daily)	Species 7, 5 Rat (male) 7, 5 Rat (male) Species Rat (male) Rat (male) Rat (male)	Value determination Data waiving Read-across Read-across Read-across Value determination Experimenta value Experimenta value Data waiving Experimenta value Literature stu
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure Oral (stomach tube) Oral (stomach tube) Dermal Inhalation (vapours) Inhalation (vapours) Clusion	Parameter NOAEC LOAEC NOAEL LOAEL LOAEL LOAEC	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test Image: Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day 3956 mg/kg bw/day 3956 mg/kg bw/day STOT SE cat.3	Organ Liver; kidney Organ Organ Central nervo system Central nervo system	Effect No effect Organ damage Effect No effect No effect Dus neurotoxic effects Dus Impairment of the nervous system Drowsiness, dizziness	Exposure time 13 weeks (6h/day 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week) 17 weeks (5 days/week) 16 weeks (daily)	Species 7, 5 Rat (male) 7, 5 Rat (male) Species Rat (male) Rat (male) Rat (male)	Value determination Data waiving Read-across Read-across Value determination Experimental value Experimental value Data waiving Experimental value Literature stu
Route of exposure Dermal Inhalation (vapours) Inhalation (vapours) hexane Route of exposure Oral (stomach tube) Dermal Inhalation (vapours) Inhalation (vapours) Clusion ay cause drowsiness	Parameter NOAEC LOAEC Parameter NOAEL LOAEL LOAEL LOAEC	Equivalent to OECD 413 Equivalent to OECD 413 Method Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test Subchronic toxicity test Image: Subchronic toxicity test	Value 10504 mg/m ³ air 31652 mg/m ³ air Value 567 mg/kg bw/day - 1135 mg/kg bw/day 3956 mg/kg bw/day 3956 mg/kg bw/day STOT SE cat.3	Organ Liver; kidney Organ Organ Central nervo system Central nervo system	Effect No effect Crgan damage Effect No effect No effect Us neurotoxic effects Us Impairment of the nervous system Drowsiness, dizziness	Exposure time 13 weeks (6h/day 13 weeks (6h/day days/week) 13 weeks (6h/day days/week) Exposure time 13 weeks (5 days/week) 17 weeks (5 days/week) 16 weeks (daily)	Species 7, 5 Rat (male) 7, 5 Rat (male) Species Rat (male) Rat (male) Rat (male)	Value determinatiu Data waiving Read-across Read-across Value determination Experimenta value Data waiving Experimenta value Literature stu

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Protect All Genius Spray No (test)data on the mixture availal

No (test)data on the mixture avail	able			
pentane				
Result	Method	Test substrate	Effect	Value determination
Negative with metabolic	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value
activation, negative without				
metabolic activation				
hydrocarbons, C7, n-alkanes, isoa	lkanes, cyclics			· · · · · · · · · · · · · · · · · · ·
Result	Method	Test substrate	Effect	Value determination
Negative with metabolic	OECD 476	Human lymphocytes	No effect	Read-across
activation, negative without				
metabolic activation				
hydrocarbons, C6, isoalkanes, < 59	<u>% n-hexane</u>			
Result	Method	Test substrate	Effect	Value determination
Negative with metabolic	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Read-across
activation, negative without				
metabolic activation				
<u>n-hexane</u>				
Result	Method	Test substrate	Effect	Value determination
Negative	OECD 476	Mouse (lymphoma L5178Y	No effect	Experimental value
		cells)		
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value

Mutagenicity (in vivo)

Protect All Genius Spray

No (test)data on the mixture available

Judgement is based on the relevant ingredients

<u>pentane</u>

	Result		Method	Exposure time	Test substrate	Organ	Value determination
	Negative		EU Method B.12	<mark>13 w</mark> eeks (6h/day, 5	Rat (male/female)		Experimental value
				<mark>days/</mark> week)			
hyd	Irocarbons, C6, isoalkanes, ·	< 5% n-hex	ane				
	Result		Method	Exposure time	Test substrate	Organ	Value determination
	Negative		Equivalent to OECD	<mark>5 day</mark> s (6h/day)	Rat (male/female)	Bone marrow	Experimental value
			475				
<u>n-h</u>	exane						
	Result		Method	Exposure time	Test substrate	Organ	Value determination
	Negative			<mark>8 we</mark> eks (6h/day, 5	Mouse (male)		Experimental value
				days/week)			

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Protect All Genius Spray

No (test)data on the mixture available

Judgement is based on the relevant ingredients

pentane

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation								Data waiving
Dermal								Data waiving
Oral								Data waiving
hydrocarbons, C	7, n-alkanes, is	soalkanes, cyclics	_				_	
Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation								Data waiving
Dermal								Data waiving
Oral								Data waiving
hydrocarbons, C	6, isoalkanes,	< 5% n-hexane						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (vapours)	NOAEC	Equivalent to OECD 451	9016 ppm	104 weeks (6h/day, 5 days/week)	Rat (male/female)	No carcinogenic effect		Experimental value
					Publica	tion date: 2018-03-	-09	
vision number: 000	00				Produc	t number: 59073		10/19

Exposite Partner <	Route of	Parameter	Method	Valuo		Exposur	o timo	Snocic	26	Effort	Organ	Value
Inhabiton NOALC Equivalent to OCC 431 300 ppm LD4 weeks (6/kgw, Mouse (female) No carcingenic Heret Inhabiton LOALC Equivalent to OFC 451 3018 ppm LD4 weeks (6/kgw, Mouse (female) No carcingenic Heret Inhabiton LOALC Equivalent to OFC 451 3018 ppm LD4 weeks (6/kgw, Mouse (male) No carcingenic Heret Inhabiton LOALC Equivalent to OFC 451 3018 ppm LD4 weeks (6/kgw, Mouse (male) No carcingenic Heret Inhabiton LOALC Equivalent to OFC 451 3018 ppm LD4 weeks (6/kgw, Mouse (male) No carcingenic Heret Inhabiton LOALC Staty/week) Staty/week) No carcingenic Heret No carcingenic Heret Inhabiton Value Exposure time Species Effect C Developmental toxicity NOAEL OEC 1414 1000 mg/kg 100 day(5) Rat (male) No effect Effects on fertility NOAEL (FF1) Equivalent to OFC 1414 100 day(6) Rat (male) No effect Effects on fertility NOAEL OEC 1414 100 days Mouse <th>exposure</th> <th>rarameter</th> <th>Iviethod</th> <th>value</th> <th></th> <th>Exposur</th> <th></th> <th>specie</th> <th></th> <th></th> <th>organ</th> <th>determinat</th>	exposure	rarameter	Iviethod	value		Exposur		specie			organ	determinat
Inhalation LOAEC Equivalent to B013 ppm D4 weeks (Bi/day, Mouse (female) Tumor formation I/v Inhalation NOAEC Equivalent to B018 ppm D4 weeks (Bi/day, Mouse (male) No carcinogenic Inhalation NOAEC Equivalent to B018 ppm D4 weeks (Bi/day, Mouse (male) No carcinogenic Inhalation NOAEC Equivalent to B018 ppm D4 weeks (Bi/day, Mouse (male) No carcinogenic Inhalation Inhalation NOAEC Equivalent to B018 ppm D4 weeks (Bi/day, Mouse (male) No carcinogenic Inhalation Inhalation Inhalation NOAEC Equivalent to B000 mg/kg Bat (female) No effect D Inhalation NOAEC (P/F1) Equivalent to D000 ppm Rat (female) No effect C Developmental toxicity NOAEC (P/F1) Equivalent to D000 ppm Rat (female) No effect C Occorations, C7, n-alkanes, isoalkanes, orcius Bat Bat Reproductive Performance C Developmental toxicity NOAEC (P/F1) Equivalent to B1680 mg/m ² D0 days Rat (female)	Inhalation (vapours)	NOAEC	Equivalent OECD 451	to 3000 p	pm	104 wee 5 days/v	eks (6h/day, veek)	Mouse	e (female)	No carcinogenic effect		Read-acros
Inhabiton NOAEC Equivalent to 9018 ppm D4 weeks (6h/day, Mouse (male) No carcinogenic citasine S days/week) Mouse (male) No carcinogenic effect citasine ct dissified for carcinogenicity Utile toxicity Vices/data No carcinogenic citasine Parameter Mothod Value Exposure time Species Effect C Developmental toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Maternal toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect drocarbons, C7, n-alkanes, isoalkanes, cyclics Effects on fertility NOAEL Equivalent to 31680 mg/m² 10 days Nouse No effect 0 drocarbons, C6, Isoalkanes, scalkanes, cyclics Effects on fertility NOAEL Equivalent to 31680 mg/m² 10 days Not (female) No effect 0 Maternal toxicity NOAEL Equivalent to 31680 mg/m² 10 days Rat (female) No effect 0 Cloce 141 air 10 days Rat (femal	Inhalation (vapours)	LOAEC	Equivalent OECD 451	to 9018 p	pm	104 wee 5 days/v	eks (6h/day, veek)	Mouse	e (female)	Tumor formation	Liver	Read-acros
Discrete Parameter Value Exposure time Species Effect C Developmental toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Bat (female) No effect Developmental toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Bat (female) No effect Developmental toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Carcarbons, C7, n-alkanes, isoalkanes, cyclics Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL OECD 414 10560 mg/m ¹ 10 days Rat (female) No effect C Occarbons, C7, n-alkanes, isoalkanes, cyclics Effects on fertility NOAEL Equivalent to 31680 mg/m ¹ 10 days Rat (female) No effect affect C OECD 414 air Globays Rat (female) No effect affect C C C C C C C C C C C C C C C C C C	Inhalation (vapours)	NOAEC	Equivalent OECD 451	to 9018 p	pm	104 wee 5 days/v	eks (6h/day, veek)	Mouse	e (male)	No carcinogenic effect		Read-acros
At Lassified to Carching Control of the relevant ingredients Unclude to the mixture available agement is based on the relevant ingredients Inter Developmental toxicity NOAEL Maternal toxicity NOAEC (P/F1) Eguivalent to 2000 ppm Developmental toxicity NOAEC (P/F1) Eguivalent to 2000 ppm Developmental toxicity NOAEC (P/F1) Eguivalent to 21600 mg/fag Developmental toxicity NOAEC (P/F1) Eguivalent to 21600 mg/m² Developmental toxicity NOAEL Equivalent to 21680 mg/m² Developmental toxicity NOAEL Equivalent to 31680 mg/m² Developmental toxicity NOAEL Equivalent to 31680 mg/m² 10 days Maternal toxicity NOAEL Equivalent to 31680 mg/m² 10 days Maternal toxicity NOAEL (P/F1) Equivalent to 31680 mg/m² 10 days Maternal toxicity NOAEL (P/F1) Equivalent to 31680 mg/m² 10 days Rat (female) No effect De	lusion	carcinogonic										
ULIVE UDARTY Explosition of the mixture available dgement is based on the relevant ingredients instance Exposure time Species Effect C Developmental toxicity NOAEL (P) OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Maternal toxicity NOAEL (P) OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Maternal toxicity NOAEC (P/F1) Equivalent to 2000 ppm Rat Reproductive (male/female) performance drocarbons, C7, n-alkanes, isoalkanes, cyclics Effect (G) (Aay) Rat (female) No effect C Developmental toxicity NOAEL Equivalent to 31680 mg/m² 10 days Mouse No effect Maternal toxicity NOAEL Equivalent to 33680 mg/m² 10 days Rat (female) No effect Developmental toxicity NOAEL (P/F1) Equivalent to 33680 mg/m² 10 days Rat (female) No effect drocarbons, C6, isoalkanes, <5% n-hexane		carcinogenic	ιιγ									
Example is based on the relevant ingredients International control is based on the relevant ingredients Internation (control is and is international control is is based on the rele		r2) (
Intane Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL (P) OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Maternal toxicity NOAEL (P/F1) Equivalent to 7000 ppm Rat Reproductive (male/female) Peroductive (male/female) No effect Effects on fertility NOAEL Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL Equivalent to 31680 mg/m ¹ 10 days Mouse No effect C Developmental toxicity NOAEL Equivalent to 31680 mg/m ¹ 10 days Rat (female) No effect C C G//day) Rat (female) No effect G//day Rat (female) No effect C	(test)data on t gement is base	the mixture a ed on the re	available levant ingredie	ents						1		
Developmental toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Maternal toxicity NOAEL OECD 414 1000 mg/kg 10 day(s) Rat (female) No effect Effects on fertility NOAEC (P/F1) Equivalent to OECD 416 7000 ppm Rat Reproductive performance drocarbons, C2, n-alkanes, isoalkanes, orcits Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days Mouse No effect C Maternal toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days Rat (female) No effect C Effects on fertility NOAEL Equivalent to OECD 416 31680 mg/m³ 10 days Rat (female) No effect C drocarbons, C6, Isoalkanes, < 5% n-hexane	ntane	F	Parameter	Method	Value		Exposure tir	ne Sp	ecies	Effect	Organ	Value
Maternal toxicity NOAEL OECD 414 bw/day Rat (female) No effect Effects on fertility NOAEC (P/F1) Equivalent to OECD 416 7000 ppm Rat (male/female) Reproductive performance drocarbons, C7, n-alkanes, isoalkanes, cyclics Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days Mouse No effect C Maternal toxicity NOAEL Equivalent to OECD 414 air (6h/day) Rat (female) No effect eration UDAEL Equivalent to OECD 414 air (6h/day) Rat (female) Lung tissue Lung tissue air drocarbons, C6, isoalkanes, < 5% n-bexane	Development	al toxicity	N <mark>OAEL (P)</mark>	OECD 414	1000 n	ng/kg	10 day(s)	Ra	it (female)	No effect		determinat Experiment
Effects on fertility NOAEC (P/F1) Equivalent to OECD 416 7000 pm Rat (male/female) Rat performance drocarbons, C7, n-alkanes, isoalkanes, cyclics Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days (6h/day) Mouse No effect C Maternal toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days (6h/day) Rat (female) No effect affection/degen eration Effects on fertility NOAEL (P/F1) Equivalent to OECD 414 31680 mg/m³ 10 days (6h/day) Rat (female) Lung tissue affection/degen eration Effects No effect drocarbons, C6, isoalkanes, < 5% n-hexane	Maternal toxi	city f	NOAEL	OECD 414	bw/da 1000 n	y ng/kg	10 day(s)	Ra	it (female)	No effect		value Experiment
OECD 416 (male/female) performance drocarbons, C7, n-alkanes, isoalkanes, cyclics Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days (6h/day) Mouse No effect F LOAEL Equivalent to OECD 414 air (6h/day) Rat (female) No effect affection/degen eration affection/degen eration In days (6h/day) Rat (female) No effect In days affection/degen eration No effect In days (6h/day) Rat (female) No effect In days affection/degen eration In days affection/degen eration Rat (male/female) No effect In days (6h/day) Rat No effect In days affection/degen eration In days affection/degen eration Rat (male/female) No effect In days (6h/day) Rat No effect In days (6h/day) In days (6h/day) Rat No effect In days (6h/day) In days (6h/day) In days (6h/day) Rat (male/female) No effect In days (6h/day) In days (6h/day) In days (6h/day) In days (6h/day) I	Effects on fert	tility	NOAEC (P/F1)	Equivalent t	bw/da o 7000 p	y pm		Ra	ıt	Reproductive		value Read-acros
Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days Nouse No effect Maternal toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ 10 days Rat (female) No effect LOAEL Equivalent to OECD 414 31680 mg/m³ 10 days Rat (female) No effect Effects on fertility NOAEL (P/F1) Equivalent to OECD 416 31680 mg/m³ Rat (male/female) No effect Parameter Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days Rat (male/female) No effect Developmental toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days Rat (female) No effect Developmental toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days Rat (female) No effect Developmental toxicity NOAEC	rocarbons, C7	. n-alkanes	isoalkanes, cvr	OECD 416		-		(m	nale/female)	performance		
Developmental toxicity NOAEL Equivalent to OECD 414 31680 mg/m³ air 10 days (6h/day) Mouse No effect Maternal toxicity NOAEL Equivalent to OECD 414 10560 mg/m³ air 10 days Rat (female) No effect LOAEL Equivalent to OECD 414 31680 mg/m³ air 10 days Rat (female) No effect Effects on fertility NOAEL (P/F1) Equivalent to OECD 414 31680 mg/m³ air Rat (male/female) No effect erration drocarbons, C6, isoalkanes, < 5% n-hexane		<u>, 11 antaries</u>	Parameter	Method	Value		Exposure tir	ne Sp	ecies	Effect	Organ	Value determinat
Maternal toxicity NOAEL Equivalent to OECD 414 10560 mg/m³ air 10 days (6h/day) Rat (female) No effect LOAEL Equivalent to OECD 414 31680 mg/m³ air 10 days (6h/day) Rat (female) Lung tissue affection/degen eration Lung tissue affection/degen eration Lung tissue affection/degen eration Lung tissue affection/degen eration Lung tissue affection/degen eration Effects on fertility NOAEL (P/F1) Equivalent to OECD 416 31680 mg/m³ air Rat (male/female) No effect drocarbons, C6, isoalkanes, < 5% n-hexane	Development	al toxicity	NOAEL	Equivalent t OECD 414	o 31680 air	mg/m³	10 days (6h/day)	M	ouse	No effect		Read-acros
LOAEL Equivalent to OECD 414 31680 mg/m³ air 10 days (6h/day) Rat (female) Lung tissue affection/degen eration Effects on fertility NOAEL (P/F1) Equivalent to OECD 416 31680 mg/m³ air Rat (male/female) No effect drocarbons, C6, isoalkanes, < 5% n-hexane	Maternal toxi	city 1	NOAEL	Equivalent t OECD 414	o 10560 air	mg/m³	10 days (6h/day)	Ra	it (female)	No effect		Read-acros
Effects on fertility NOAEL (P/F1) Equivalent to OECD 416 31680 mg/m³ Rat (male/female) No effect drocarbons, C6, isoalkanes, <5% n-hexane		L	-OAEL	Equivalent t OECD 414	o 31680 air	mg/m³	10 days (6h/day)	Ra	it (female)	Lung tissue affection/degen eration	Lungs n	Read-acros
drocarbons, C6, isoalkanes, < 5% n-hexane Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEC Equivalent to OECD 414 > 7000 ppm 10 days Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days Rat (female) No effect Effects on fertility NOAEC Equivalent to OECD 416 9000 ppm Rat (male/female) No effect C nexane Parameter Method Value Exposure time Species Effect C Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat No effect Method Value Effects on fertility No effect C Maternal toxicity (Inhalation (vapours)) LOAEL Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat (male/female) No effect (male/female) No effect <td< td=""><td>Effects on fert</td><td>tility N</td><td>NOAEL (P/F1)</td><td>Equivalent t OECD 416</td><td>o 31680 air</td><td>mg/m³</td><td></td><td>Ra (m</td><td>nt nale/female)</td><td>No effect</td><td></td><td>Read-acros</td></td<>	Effects on fert	tility N	NOAEL (P/F1)	Equivalent t OECD 416	o 31680 air	mg/m³		Ra (m	nt nale/female)	No effect		Read-acros
Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEC Equivalent to OECD 414 > 7000 ppm 10 days Rat No effect 0 Maternal toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days Rat (female) No effect 0 Effects on fertility NOAEC Equivalent to OECD 416 9000 ppm Rat (male/female) No effect 0 hexane Parameter Method Value Exposure time Species Effect C Developmental toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Developmental toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity IOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Eff	lrocarbons, C6	, isoalkanes,	< 5% n-hexan	<u>e</u>								
Developmental toxicity NOAEC Equivalent to OECD 414 >7000 ppm 10 days (6h/day) Rat No effect Maternal toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days (6h/day) Rat (female) No effect Effects on fertility NOAEC Equivalent to OECD 416 9000 ppm 10 days (6h/day) Rat (male/female) No effect hexane Parameter Method Value Exposure time (gestation, 6h/day) Species Effect C Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Effects on fertility (Inhalation (vapours)) LOAEL Equivalent to OECD 416 9000 ppm 10 days (gestation, 6h/day) Rat No effect Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test		F	Parameter	Method	Value		Exposure tir	ne Sp	ecies	Effect	Organ	Value determinat
Maternal toxicity NOAEC Equivalent to OECD 414 2000 ppm 10 days (6h/day) Rat (female) No effect Effects on fertility NOAEC Equivalent to OECD 416 9000 ppm Rat (male/female) No effect hexane Parameter Method Value Exposure time Species Effect C Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity (Inhalation (vapours)) LOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat Weight gain Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm 10 days (gestation, 6h/day) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test Clus	Development	al toxicity	NOAEC	Equivalent t OECD 414	o > 7000	ppm	10 days (6h/day)	Ra	it	No effect		Read-acros
Effects on fertility NOAEC Equivalent to OECD 416 9000 ppm Rat (male/female) No effect hexane Parameter Method Value Exposure time Species Effect C Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect C Maternal toxicity NOAEC Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat No effect Maternal toxicity NOAEC Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat No effect Effects on fertility (Inhalation (vapours)) LOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat Weight gain Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm ≥ 13 weeks (6h/day, 5 days/week) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test Clusion clusion to cassified for reprotoxic or developmental toxicity Effective Effective	Maternal toxi	city 1	NOAEC	Equivalent t OECD 414	o 2000 p	pm	10 days (6h/day)	Ra	it (female)	No effect		Read-acros
nexane Parameter Method Value Exposure time Species Effect C Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect Image: Comparison of the substance according to Annex VI is debatable as it does not correspond to the conclusion from the test clusion Maternal toxicity NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect Maternal toxicity LOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat Weight gain Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm 2 13 weeks (6h/day, 5 days/week) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test clusion to cassified for reprotovic or developmental toxicity	Effects on fert	tility	NOAEC	Equivalent t OECD 416	o 9000 p	pm		Ra (m	it nale/female)	No effect		Read-acros
Parameter Method Value Exposure time Species Effect C Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect Image: Comparison of the substance according to Annex VI is debatable as it does not correspond to the conclusion from the test Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test Image: Comparison of the comparison of the conclusion from the test	exane											·
Developmental toxicity (Inhalation (vapours)) NOAEC Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat No effect Maternal toxicity NOAEC Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat No effect Maternal toxicity LOAEL Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat No effect Maternal toxicity (Inhalation (vapours)) LOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat Weight gain Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm 2 13 weeks (6h/day, 5 days/week) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test Clusion to cassified for reprotoxic or developmental toxicity		F	Parameter	Method	Value		Exposure tir	ne Sp	ecies	Effect	Organ	Value determinat
Maternal toxicity NOAEC Equivalent to OECD 414 3000 ppm 10 days (gestation, 6h/day) Rat No effect Maternal toxicity (Inhalation (vapours)) LOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat Weight gain Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm ≥ 13 weeks (6h/day, 5 days/week) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable to classified for reprotoxic or developmental toxicity Is debatable as it does not correspond to the conclusion from the test	Developmenta (Inhalation (va	al toxicity apours))	NOAEC	Equivalent t OECD 414	o 9000 p	pm	10 days (gestation, 6h/day)	Ra	it	No effect		Experiment value
Maternal toxicity (Inhalation (vapours)) LOAEL Equivalent to OECD 414 9000 ppm 10 days (gestation, 6h/day) Rat Weight gain Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm ≥ 13 weeks (6h/day, 5 days/week) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test clusion to assified for reprotoxic or developmental toxicity	Maternal toxi	city I	NOAEC	Equivalent t OECD 414	o 3000 p	pm	10 days (gestation, 6h/day)	Ra	it	No effect		Experiment value
Effects on fertility (Inhalation (vapours)) NOAEC Equivalent to OECD 416 9000 ppm ≥ 13 weeks (6h/day, 5 days/week) Rat (male/female) No effect Classification of this substance according to Annex VI is debatable to classified for reprotoxic or developmental toxicity as it does not correspond to the conclusion from the test	Maternal toxic (Inhalation (va	city l apours))	OAEL	Equivalent t OECD 414	o 9000 p	pm	10 days (gestation, 6h/day)	Ra	it	Weight gain		Experiment value
Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test <u>clusion</u> t classified for reprotoxic or developmental toxicity	Effects on fert (Inhalation (va	tility f apours))	NOAEC	Equivalent t OECD 416	o 9000 p	pm	≥ 13 weeks (6h/day, 5 days/week)	Ra (m	it nale/female)	No effect		Experiment value
clusion	Classification of	of this subst	ance according	to Annex VI	is debatabl	e as it do	es not corres	spond t	to the conclu	usion from the test	t	
DI CIASSILIEO IOL CENTOTOXIC OL DEVELODMENTAL TOXICITY	lusion		a dave la c	- + - · · · ·								
	t classified for	reprotoxic o	r developmen	al toxicity								

Protect All Genius Spray

No (test)data on the mixture available

Revision number: 0000

Publication date: 2018-03-09

Parameter	Method	Value	e (Drgan	Effect	E	xposure	time S	pecies	Value
			S	ikin	Skin dry	ness or	_			Literature s
drocarbons, C6, iso	balkanes, < 5	% n-hexane	I		processing.	I				
Parameter	Method	Value		Drgan	Effect	E	xposure	time S	pecies	Value determinat
NOAEC	Equivalent t 424	o OECD 9000	ppm C s	Central nervou: System	s Overall e	effects 1 5	3 weeks days/w	(6h/day, R eek)	at (male/female	 Experiment
c <u>lusion</u> peated exposure r	nay cause ski	n dryness or o	racking.							
effects from shor	t and long <mark>-te</mark>	rm exposure								
<u>et All Genius Spray</u> effects known.										
ON 12: Eco	ological	inform	ation							
1. Toxicity										
ct All Genius Spray										
test)data on the m sification is based (ixture availat	ble nt ingredients								
ntane		int ingreaterit.	•							
		Parameter	Method	Value	Duration	Species		Test design	Fresh/salt	Value determ
Acute toxicity fishe	s	LC50	Equivalent to OECD 203	4.26 mg/l	96 h	Oncorhyn mykiss	chus	Static syster	n Fresh water	Experimental GLP
Acute toxicity crust	acea	EC50	Other	2.7 mg/l	48 h	Daphnia n	nagna	Static system	n Fresh water	Experimental
Foxicity algae and o plants	other aquatic	ErC50	OECD 201	10.7 mg/l	72 h	Scenedes	nus sp.	Static systen	n Fresh water	Experimental GLP
ong-term toxicity	fish	NOELR		6.165 mg/l	28 day(s)	Oncorhyn mykiss	chus		Fresh water	QSAR; Growt
ong-term toxicity	aquatic	NOELR		10.76 mg/l	21 day(s)	Daphnia n	nagna		Fresh water	QSAR; Reproc
drocarbons, C7, n-	alkanes, i <mark>soa</mark>	Ikanes, cyclics								
		Parameter	Method	Value	Duration	Species		Test design	Fresh/salt water	Value determ
Acute toxicity fishe	s	LL50	OECD 203	> 13.4 mg/l WAF	96 h	Oncorhyn mykiss	chus	Semi-static system	Fresh water	Experimental Nominal concentration
Acute toxicity crust	acea	EL50	OECD 202	3.0 mg/l WAF	- 48 h	Daphnia n	nagna	Static system	n Fresh water	Experimental GLP
Foxicity algae and o plants	other aquatic	EL50	OECD 201	29 mg/l WAF	72 h	Pseudokir Ila subcap	chnerie itata	Static syster	n Fresh water	Experimental GLP
ong-term toxicity	fish	NOELR		1.534 mg/l	28	Oncorhyn mykiss	chus		Fresh water	QSAR; Nomin concentration
ong-term toxicity crustacea	aquatic	NOEC	OECD 211	0.17 mg/l WAF	21 day(s)	Daphnia n	nagna	Static system	n Fresh water	Read-across;
		EL50	OECD 211	1.6 mg/l WAF	= 21 day(s)	Daphnia n	nagna	Static system	n Fresh water	Read-across
Foxicity aquatic mi organisms	cro-	EL50		26.81 mg/l	48 h	Tetrahym pyriformis	ena		Fresh water	QSAR; Growt
drocarbons, C6, iso	oalkanes, <mark>< 5</mark> 9	<u>% n-hexane</u> Parameter	Method	Value	Duration	Species		Test design	Fresh/salt	Value determ
Acute toxicity fishe	s	LL50		18.27 mg/l	96 h	Oncorhyn	chus		Fresh water	QSAR
Acute toxicity crust	acea	EL50		31.9 mg/l	48 h	Daphnia n	nagna		Fresh water	QSAR
Foxicity algae and o plants	other aquatic	EL50		13.56 mg/l	72 h	Pseudokir Ila subcap	chnerie itata		Fresh water	QSAR
ong-term toxicity	fish	NOELR		4.089 mg/l	28 day(s)	Oncorhyn mykiss	chus		Fresh water	QSAR
ong-term toxicity	aquatic	NOELR		7.138 mg/l	21 day(s)	Daphnia n	nagna		Fresh water	QSAR
Classification of t	his substance	e is debatable	as it does not c	orrespond to t	the conclusion	n from the te	est			<u>.</u>

SI

-hexane		h		<u> </u>	k .	—	_ • • • •	.
	Parameter	Method	Value	Duratio	on Species	Test desig	n Fresh/salt water	Value determinatio
Acute toxicity fishes	LL50		12.51 mg/	/l 96 h	Oncorhynchus mykiss		Fresh water	Estimated value; Nominal concentration
Acute toxicity crustacea	EL50		21.85 mg/	/I 48 h	Daphnia magn	а	Fresh water	Estimated value; Nominal concentration
Toxicity algae and other aquat plants	ic EL50		9.285 mg/	/l 72 h	Pseudokirchne lla subcapitata	erie	Fresh water	Estimated value; Growth rate
Long-term toxicity fish	NOELR		2.8 mg/l	28 day	(s) Oncorhynchus mykiss		Fresh water	Estimated value; Nominal concentration
Long-term toxicity aquatic crustacea	NOELR		4.888 mg/	/l 21 day	(s) Daphnia magn	a	Fresh water	Estimated value; Nominal concentration
nclusion oxic to aquatic life with long las	sting effects.							
entane Biodegradation water	adabiiity							
Method		Value			Duration		Value determina	ation
Equivalent or similar to OEC	O 301F	87 %; GLP			28 day(s)		Experimental val	lue
Phototransformation air (DT5	0 air)							
Method		Value			Conc. OH-radicals		Value determina	ation
		3.95 day(s)			500000 /cm³		Calculated value	
ydrocarbons, C7, n-alkanes, i <mark>so</mark>	alkanes, cyclics							
Biodegradation water		I						
Method		Value	_		Duration		Value determina	ation
OECD 301F: Manometric Res	spirometry Test	98 %; GLP			28 day(s)		Experimental val	lue
vdrocarbons C6 isoalkanes <	5% n-hexane		-	-				
Biodegradation water	<u>overn nextante</u>							
Method		Value			Duration		Value determina	ation
OECD 301F: Manometric Res	spirometry Test	98 %; GLP			28 day(s)		Read-across	
-hexane Biodegradation water								
Mothod		Valuo	_	_	Duration		Value determine	ation
OFCD 301E: Manometric Res	nirometry Test						Read-across	
OLCD SOIL Manometric Res	spironnetry rest	58 %, ULF			28 uay(s)		Reau-acioss	
Biodegradation soil		h			.		h	
Method		Value		_	Duration		Value determina	ation
L				-			Data waiving	
<u>nclusion</u> loes not contain any not readily	v biodegradable	component(s)						
2.3. Bioaccumulative pot	ential							
g Kow								
/lethod R	emark	V.	alue		Temperature	_	Value determi	nation
	iot applicable (fi	lixture)	_	_				
entane BCF fishes								
Parameter Method	Valu	e	Duratio	n	Species		Value d	letermination
BCF	171				Pimephales promela	as	QSAR	
Log Kow								
Method	Remark		Value		Temperatu	ıre	Value dete	rmination
Other			3.45		25 °C		Experiment	tal value
ydrocarbons, C7, n-alkanes, i <mark>so</mark>	alkanes, cyclics							_
Log Kow								
Mathead	Domark		Value		Temporati	Iro	Value dete	rmination

>3

Doromotor	Mothed	Value	D	tion	Charles		
Parameter	ivietnoa	501 187	Dura	tion	Species Pimenhale	es promelas	Calculated value
		501.187				es promeias	Calculated value
Method	R	emark	Valu	9	1	Temperature	Value determination
Equivalent to OEC	0 107		3.6		2	20 °C	Read-across
n-hexane							
BCF fishes							
Parameter	Method	Value	Dura	tion	Species		Value determination
BCF	Other	501.187			Pimephale	es promelas	QSAR
Log Kow	b		Mahr				
Equivalent to OECC	107	emark	valu	3			
contains bioaccumulat 2.4. Mobility in sc	tive compone	nt(s)				•	
(IOG) KOC				Aethod	_	Value	Value determination
	-			letilou		2 9	
Percent distribution						2.5	
Method	Fraction air	Fraction biota	Fraction sediment	Fraction	soil F	Fraction water	Value determination
Mackay level III	97.7 %	0 %	0.5 %	0 %	1	1.8 %	Calculated value
nydrocarbons, C7, n-al	kanes, i <mark>soalka</mark>	nes, cyclics					
Percent distribution							
Method	Fraction air	Fraction biota	Fraction	Fraction	soll F	raction water	Value determination
Mackay level III	96 %	0 %	1.8 %	0.55 %	1	1.4 %	Calculated value
nydrocarbons, C6, isoa	lkanes, < 5% I	n-hexane					
(log) Koc							
Parameter			N	lethod		Value	Value determination
log Koc						3.34	Calculated value
Percent distribution							
Method	Fraction air	Fraction biota	Fraction	Fraction	soil F	Fraction water	Value determination
Mackay level III	93.6%	0 %	2 1 %	0.5 %	1	2.8%	Calculated value
n-hexane	55.0 %	0,10	2.1 /0	0.0 /0			
(log) Koc							
Parameter			N	lethod	-	Value	Value determination
log Koc						3.34	QSAR
Percent distribution			_				
Method	Fraction air	Fraction biota	Fraction sediment	Fraction	soil F	Fraction water	Value determination
Mackay level III	91.6 %	0 %	0.7 %	2.8 %	4	1.9 %	Calculated value
I <mark>nclusion</mark> No (test)data on mobil	lity of the com	ponents available					
Does not contain comp 2.6. Other adversu <u>sect All Genius Spray</u> <u>uorinated greenhouse</u> one of the known com ontains component(s) is <u>cone-depleting potent</u>	e effects e gases (Regul ponents is inc included in th tial (ODP) pus for the oz	meet(s) the criteria of ation (EU) No 517/20 Juded in the list of flue e list of substances w	of PBT and/or orinated gre hich may cor (EC) No 1009	r vPvB as listed i enhouse gases (itribute to the g 5/2009)	n Annex XI Regulation reenhouse	II of Regulation ((EU) No 517/20 effect (IPCC)	(EC) No 1907/2006. 114)
					7		

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

16 05 04* (gases in pressure containers and discarded chemicals: gases in pressure containers (including halons) containing hazardous substances). 20 01 29* (separately collected fractions (except 15 01): detergents containing hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Recycle/reuse. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Specific treatment. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)	
14.1. UN number	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	Aerosols
14.3. Transport hazard class(es)	
Hazard identification number	
Class	2
Classification code	
14 4 Packing group	
Packing group	
	2 1
14.5. Environmental bazarda	2.1
Environmentally bazardous substance mark	hist
Environmentally hazardous substance mark	yes
14.6. Special preclations for user	100
	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)
14.1. UN number	1950
14.2 LIN proper shipping name	
Proper shipping name	Aerosols
14 3 Transport hazard class(es)	
Hazard identification number	23
Class	25
Classification code	
14.4. Dacking group	
14.4. Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	yes
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging fo liquids. A package shall not weigh more than 30 kg. (gross mass)
nland waterways (ADN)	
	Publication date: 2018-03-09
ion number: 0000	Product number: 59073

14.1. UN number	
UN number	1950
14.2. UN proper shipping na <mark>me</mark>	
Proper shipping name	Aerosols
14.3. Transport hazard class(es)	
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
	2.4
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardo <mark>us substance mark</mark>	yes
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	60E
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)
14.1. UN number	
UN number	1950
14.2. UN proper shipping na <mark>me</mark>	
Proper shipping name	Aerosols
14.3 Transport hazard class(es)	
	h_1
	4.1
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Marine pollutant	P
Environmontally bazardous substance mark	hor hor
	yes
14.6. Special precautions for user	
Special provisions	63
Special provisions	190
Special provisions	277
Special provisions	327
Special provisions	244
	544
Special provisions	381
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)
14.7. Transport in bulk according to Annex II of Marpol and the IBC Co	ode
Annex II of MARPOL 73/78	Not applicable
	Not upplicable
Air (ICAO-TI/IATA-DGR)	
14.1 UN number	
	1050
	1950
14.2. UN proper shipping name	
Proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
14.4. Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	yes
14.6. Special precautions for user	
Special provisions	A145
Special provisions	A167
	1002
Special provisions	A8U2
Limited quantities: maximum net quantity per packaging	30 kg G
	Publication date: 2018-03-09
Jon number: UUUU	Product number: 59073 16

5 1 Safety health and en	ironmental regulations /legislation	a specific for the substance or mixture
European legislation:		
VOC content Directive 2010/7	5/EU	
VOC content		Remark
76.00 %		
614.400 g/l		
Ingredients according to Reg	ulation (EC) No 648/2004 and amendment:	
Contains component(s) s	on ubject to restrictions of Annex XVII of Regu	lation (EC) No 1907/2006: restrictions on the manufacture, placing on the mark
and use of certain dange	rous substances, mixtures and articles.	
	Designation of the substance, of the group o	f Conditions of restriction
pentane	Liquid substances or mixtures which are	1. Shall not be used in:
nydrocarbons, C7, n-alkanes, isoalkanes vclics	, regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the	 ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtravs.
hydrocarbons, C6, isoalkanes, < 5% n-	criteria for any of the following hazard classe	s — tricks and jokes,
n-hexane	(EC) No 1272/2008:	ornamental aspects,
	(a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B 2.9, 2.10, 2.12, 2.13 categorie	2. Articles not complying with paragraph 1 shall not be placed on the market. 13. Shall not be placed on the market if they contain a colouring agent unless required f
	and 2, 2.14 categories 1 and 2, 2.15 types A t	o fiscal reasons, or perfume, or both, if they:
	 (b) hazard classes 3.1 to 3.6, 3.7 adverse 	 — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with R65 or H304,
	effects on sexual function and fertility or on	4. Decorative oil lamps for supply to the general public shall not be placed on the mark
	effects, 3.9 and 3.10;	by the European Committee for Standardisation (CEN).
	(c) hazard class 4.1; (d) hazard class 5.1	 Without prejudice to the implementation of other Community provisions relating to classification, packaging and labelling of dangerous substances and mixtures, suppliers
		ensure, before the placing on the market, that the following requirements are met:
		a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visilegibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reader of the re
		children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick
		lamps — may lead to life- threatening lung damage"; b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public
		legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter m
		c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the gene
		public are packaged in black opaque containers not exceeding 1 litre by 1 December 20 6. No later than 1 lune 2014, the Commission shall request the European Chemicals Ag
		to prepare a dossier, in accordance with Article 69 of the present Regulation with a view
		ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H3C intended for supply to the general public.
		7. Natural or legal persons placing on the market for the first time lamp oils and grill lig
		provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to
		competent authority in the Member State concerned. Member States shall make those available to the Commission '
pentane	Substances classified as flammable gases	1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aer
nydrocarbons, C7, n-alkanes, isoalkanes	, category 1 or 2, flammable liquids categories	dispensers are intended for supply to the general public for entertainment and decorat
hydrocarbons, C6, isoalkanes, < 5% n-	substances and mixtures which, in contact	— metallic glitter intended mainly for decoration,
exane n-hexane	with water, emit flammable gases, category 2 or 3, pyrophoric liquids category 1 or	1, — artificial snow and frost, — "whoopee" cushions.
	pyrophoric solids category 1, regardless of	 — silly string aerosols,
	whether they appear in Part 3 of Annex VI to that Regulation or not.	 mitation excrement, horns for parties,
		- decorative flakes and foams,
		- stink bombs.
		2. Without prejudice to the application of other Community provisions on the classification ackaging and labelling of substances suppliers shall ensure before the placing on the
		market that the packaging of aerosol dispensers referred to above is marked visibly, leg
		and indelibly with: "For professional users only".
		3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers
		4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the
		market unless they conform to the requirements indicated.
National legislation Belgium		
No data available		
		Publication date: 2018-03-09
		1 abilitation date. 2010-03-03

		1 5
National legislation The Ne	etherlands	
Protect All Genius Sprav	<u>/</u>	
n-bevane	A (2)	
SZW - Liist van voor d	e n-Hexaan: 2: Suspected of dam	naging fertility
voortplanting giftige s (vruchtbaarheid)	toffen	
National legislation France		
Protect All Genius Spray No data available	Ĺ	
Catégorie toxique por reproduction	ır la n-Hexane; R2	
National legislation Germa	ny	
Protect All Genius Sprav	<u>(</u>	
WGK	2; Classification water polluting Stoffe (VwVwS) of 27 July 2005 (AwSV) of 18 April 2017	g based on the components in compliance with Verwaltungsvorschrift wassergefährdende 5 (Anhang 4) and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
pentane		
TA-Luft	5.2.5; 1	
TRGS900 - Risiko der Fruchtschädigung	Pentan; Y; Risiko der Fruchtsch Grenzwertes nicht befürchtet	lädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen zu werden
hydrocarbons, C7, n-alk	anes, isoalkanes, cyclics	
TA-Luft	5.2.5;1	
hydrocarbons, C6, Isoal	kanes, < 5% n-hexane	
n-bevane	5.2.5;1	
TA-Luft	5.2.5:1	
TRGS900 - Risiko der	n-Hexan; Y; Risiko der Fruchtsc	hädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen
Fruchtschädigung	Grenzwertes nicht befürchtet z	zu werden
National legislation United	Kingdom	
Protect All Genius Spray	L	
IND UALA AVAIIADIE		
Other relevant data		
Protect All Genius Spray	L	
No data available		
n-hexane		
Skin absorption	n-Hexane; Skin; Danger of cuta	aneous absorption
15.2. Chemical safety as	sessment	
No chemical safety asse	issment has been conducted for the mix	cture.
CTION 16: Other i	nformation	
Full text of any H-statemer	its referred to under heading 3:	
H222 Extremely flammabl	lable aerosol.	
H229 Pressurised cont	ainer: May burst if heated.	
H280 Contains gas und	ler pressure; may explode if heated.	
H304 May be fatal if s	vallowed and enters airways.	
H315 Causes skin irrita	ition.	
H336 May cause drow	siness or dizziness.	
H373 May cause dama	ringging rentinty. age to organs (central nervous system) t	brough prolonged or repeated exposure if inhaled
H411 Toxic to aquatic	life with long lasting effects.	
(*)	INTERNAL CLASSIFICATION BY BIG	
CLP (EU-GHS)	Classification, labelling and packaging (C	Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level	
DNEL	Derived No Effect Level	
EC50	Effect Concentration 50 %	
ErC50	EC50 in terms of reduction of growth ra	te
LC50	Lethal Concentration 50 %	
LD50	Lethal Dose 50 %	
NOAEL	No Observed Adverse Effect Level	
NOEC OECD	No Observed Effect Concentration Organisation for Economic Co-operation	n and Development
- **		Dublication data: 2018-02-00
		Publication date: 2018-03-09

Protect All Genius Spray							
	PBT P	ersistent, Bioaccumulative & Toxic					
	PNEC P	redicted No Effect Concentration					
	STP S	ludge Treatment Process					
	vPvB v	ery Persistent & very Bioaccumulative					
Specific concentration limits CLP				_			
	n-hexane		C≥5%		STOT RE 2; H373	CLP Annex VI (ATP 0)	

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited.